

## ABSTRACT OF THE DISCLOSURE

The present invention aims at maintaining the high focusing performance at a low deflection power in a single-beam projection tube which is used as a projection type TV receiver or a projector and is operated at a high voltage and with a high current. The neck outer diameter of a portion on which a deflection yoke is mounted is made smaller than the neck outer diameter of a portion which accommodates an electron gun. The maximum anode voltage of the projection tube is set to equal to or more than 25 kV and the maximum beam current is set to equal to or more than 4 mA.

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